

U.S. National Phase of PCT/EP2003/005108

**Amendments to the Abstract:**

**ABSTRACT**

Please replace the abstract that appears on page 12 of the specification with the following revised abstract which is submitted on a separate sheet.

ABSTRACT

A potentiometric sensor, especially a pH-sensor or redox-sensor, includes: an elementary sensor  $[(3)]$  for registering a potentiometric parameter, especially a pH-value or a redox potential; and an interface for issuing a potentiometric-parameter-dependent signal to a superordinated unit, especially a transmitter  $[(8)]$ ; wherein the potentiometric sensor of the invention has a digital data memory  $[(6)]$ , which is permanently connected with elementary sensor.

(Fig. 1)